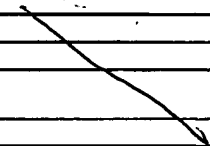


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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/713,472
		Filing Date	November 14, 2003
		First Named Inventor	Charles A. Vacanti
		Group Art Unit	1615
		Examiner Name	
Sheet 1 of 7	Attorney Docket Number	VAC 102 CON (2)	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS								
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		Office. ²	Number ²	Kind Code ³ (if known)				
DS ↓		EP	0 361 957		Organogenesis, Inc.	04-04-1990		
		PCT	WO 92/06702		New York University	04-30-1992		
		PCT	WO 93/16687		Board of Regents, The University of Texas System	02-09-1993		

Examiner's Signature	<i>Daniel P. Llaneza</i>	Date Considered	5/11/2005
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		Group Art Unit	1615
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Sheet 2 of 7	Attorney Docket Number	VAC 102 CON (2)	

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✓		5,411,883		Boss et al.	05-1995
		5,443,950		Naughton et al.	08-1995
		5,512,600		Mikos et al.	04-1996
		5,514,378		Mikos et al.	05-1996
		5,529,914		Hubbell et al.	06-1996
		5,567,612		Vacanti et al.	10-1996
		5,575,815		Slepian et al.	11-1996
		5,578,485		Naughton et al.	11-1996
		5,589,376		Anderson et al.	12-1996
		5,593,974		Rosenberg et al.	01-1997
		5,667,778		Atala	09-1997
		5,693,175		Mikos et al.	12-1997
		5,709,854		Griffith-Cima et al.	01-1998
		5,716,404		Vacanti et al.	02-1998
		5,736,372		Vacanti et al.	04-1998
		5,750,376		Weiss et al.	05-1998
		5,753,506		Johe	05-1998

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		Office ³	Number ⁴	Kind Code ⁵ (if known)			
✓		PCT	WO 93/24627		Case Western Reserve The Metrohealth System, and The University of Akron	12-09-1993	
✓		PCT	WO 94/25079		Massachusetts Institute of Technology, and Children's Medical Center Corporation	11-10-1994	

Examiner's Signature	<i>Daniel P. Hamels</i>	Date Considered	5/11/2005
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		Filing Date	November 14, 2003
		First Named Inventor	Charles A. Vacanti
		Group Art Unit	1615
		Examiner Name	
Sheet 3 of 7	Attorney Docket Number	VAC 102 CON (2)	

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DS ↓		5,759,830		Vacanti et al.	06-1998	
		5,762,926		Gage et al.	06-1998	
		5,770,193		Vacanti et al.	06-1998	
		5,770,417		Vacanti et al.	06-1998	
		5,786,216		Dionne et al.	07-1998	
		5,795,790		Schinstine et al.	08-1998	
		5,804,178		Vacanti et al.	09-1998	
		5,824,489		Anderson et al.	10-1998	
		5,827,735		Young et al.	10-1998	
		5,830,651		Cauley et al.	11-1998	
		5,834,029		Bellamkonda et al.	11-1998	
		5,851,832		Weiss et al.	12-1998	
		5,855,610		Vacanti et al.	01-1999	
		6,027,744		Vacanti et al.	02-2000	

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DS		PCT	WO 94/25079		Massachusetts Institute of Technology, and Children's Medical Center Corporation	11-10-1994	/
		PCT	WO 94/25080		Massachusetts Institute of Technology, and Children's Medical Center Corporation	11-10-1994	
		PCT	WO 96/15226		Neurospheres Holding Ltd.	05-1996	
		PCT	WO 96/40304		Reprogenesis, Inc.	12-19-1996	
		PCT	WO 98/30678		Laywell, et al.	07-16-1998	

Examiner's Signature	<i>Daniel P. Lannetta</i>	Date Considered	5/11/2005
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		Application Number	10/713,472
		Filing Date	November 14, 2003
		First Named Inventor	Charles A. Vacanti
		Group Art Unit	1615
		Examiner Name	
Sheet 4 of 7	Attorney Docket Number	VAC 102 CON (2)	

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
DG		AHMED, et al., "BDNF enhances the differentiation but not the survival of CNS stem cell-derived neuronal properties" <i>The Journal of Neuroscience</i> 15(8): 5765-5778 (1995).	
		BOUWENS and BLAY, "Islet morphogenesis and stem cell markers in rat pancreas" <i>The Journal of Histochemistry and Cytochemistry</i> 44(9): 947-951 (1996).	
		CORNELIUS, et al., "In vitro-generation of islets in long-term cultures of pluripotent stem cells from adult mouse pancreas" <i>Horm. Metab. Res.</i> 29(6): 271-277 (1997).	
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		FREDERIKSEN et al., "Proliferation and Differentiation of Rat Neuroepithelial Precursor Cells In Vivo," <i>The Journal of Neuroscience</i> , 8:1144-1151, Apr. 1988.	
		FERRINGA et al., "Regeneration of Corticospinal Axons in the Rat," <i>Annals of Neurology</i> , 2:315-321, Oct. 1977.	
		GAGE et al., "Survival and Differentiation of Adult Neuronal Progenitor Cells Transplanted to the Adult Brain," <i>Proc. Natl. Acad. Sci. USA</i> , 92:11879-11883, Dec. 1995.	
		GRITTI, et al., "Multipotent stem cells from the adult mouse brain proliferate and self-renew in response to basic fibroblast growth factor" <i>The Journal of Neuroscience</i> 16(3): 1091-1100 (1996).	
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Examiner's Signature	Daniel C. Gamett		Date Considered 5/11/2005

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		Application Number	10/713,472
		Filing Date	November 14, 2003
		First Named Inventor	Charles A. Vacanti
		Group Art Unit	1615
		Examiner Name	
Sheet 5 of 7	Attorney Docket Number	VAC 102 CON (2)	

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DS		JOHANSSON, et al., "Identification of a neural stem cell in the adult mammalian central nervous system" <i>Cell</i> 96: 25-34 (1999).	
		KANDEL, et al., "Chapter 49: The autonomic nervous system and the hypothalamus" in <u>Principles of Neural Science</u> , 4 th Edition, McGraw-Hill Publishing, New York, New York.	
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		NOTTER, et al., "Neuronal properties of monkey adrenal medulla <i>in vitro</i> " <i>Cell Tissue Research</i> 244: 69-76 (1986).	
		PALMER and GAGE, "FGF-2 responsive neuronal progenitors reside in proliferative and quiescent regions of the adult rodent brain" <i>Molecular and Cellular Neuroscience</i> 6: 474-486 (1995).	
		PALMER and GAGE, "The adult rat hippocampus contains primordial neural stem cells" <i>Molecular and Cellular Neuroscience</i> 8: 389-404 (1997).	
		RAY et al., "Proliferation, Differentiation, and Long-Term Culture of Primary Hippocampal Neurons," <i>Proc. Natl. Acad. Sci. USA</i> , 90:3602-3606, Apr. 1993.	
		RAY et al., "Spinal Cord Neuroblasts Proliferate in Response to Basic Fibroblast Growth Factor," <i>The Journal of Neuroscience</i> , 14:3548-3564, Jun. 1994.	
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Examiner's Signature	Daniel C. Lannett		Date Considered 6/11/2005

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		First Named Inventor	Charles A. Vacanti
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		Examiner Name	
Sheet 6 of 7	Attorney Docket Number	VAC 102 CON (2)	

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RG		REYNOLDS et al., "Generation of Neurons and Astrocytes from Isolated Cells of the Adult Mammalian Central Nervous System," <i>Science</i> , 255:1707-1710, Mar. 27, 1992.	
		REYNOLDS et al., "A Multipotent EGF-Responsive Striatal Embryonic Progenitor Cell Produces Neurons and Astrocytes," <i>The Journal of Neuroscience</i> , 12:4565-4574, Nov. 1992.	
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		SEIDL and UNSICKER, "Survival and neuritic growth of sympathoadrenal (chromaffin) precursor cells in vitro" <i>Int. J. Dev. Neuroscience</i> 7(5): 465-473 (1989).	
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		SHIHABUDDIN et al., "FGF-2 is Sufficient to Isolate Progenitors Found in the Adult Mammalian Spinal Cord," <i>Experimental Neurology</i> , 148:577-586, 1997.	
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		SUHONEN et al., "Differentiation of Adult Hippocampus-Derived Progenitors into Olfactory Neurons in Vivo," <i>Nature</i> , 383:624-627, Oct. 17, 1996.	
		TAUPIN and GAGE, "Adult neurogenesis and neural stem cells of the central nervous system in mammals" <i>Journal of Neuroscience Research</i> 69(6): 745-749 (2002).	

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DB		TAYLOR et al., "Widespread Engraftment of Neural Progenitor and Stem-Like Cells Throughout the Mouse Brain," Transplantation Proceedings, 29:845-847, 1997.	
		WAREJCKA, et al., "A population of cells isolated from rat heart capable of differentiating into several mesodermal phenotypes" <i>Journal of Surgical Research</i> 62(2): 233-242 (1996).	
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		ZULEWSKI, et al., "Multipotential nestin-positive stem cells isolated from adult pancreatic islets differentiate <i>ex vivo</i> into pancreatic endocrine, exocrine, and hepatic phenotypes" <i>Diabetes</i> 50(3): 521-533 (2001).	

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